

FIG. 1

The diagram illustrates an engine control system. At the top, a fuel line (7) enters a fuel filter (8) and then a fuel pump (9). The fuel pump is connected to a fuel rail (10) which supplies fuel to two injectors (11, 12). The injectors spray fuel into the combustion chamber (13) of the engine (1). The engine is driven by a crankshaft (14) and a camshaft (15). The intake air system (16) draws in intake air (17) through an air filter (18) and a throttle valve (19). The exhaust system (20) draws exhaust gas from the engine and passes it through a catalytic converter (21) and a muffler (22) before exiting as exhaust (23). The ECU (24) is the central control unit, receiving inputs from an idle switch (25), a vehicle speed sensor (26), and a throttle position sensor (27). The ECU controls the fuel pump (9), the injectors (11, 12), and the throttle valve (19). The ECU is also connected to a battery (28) and a ground (29).

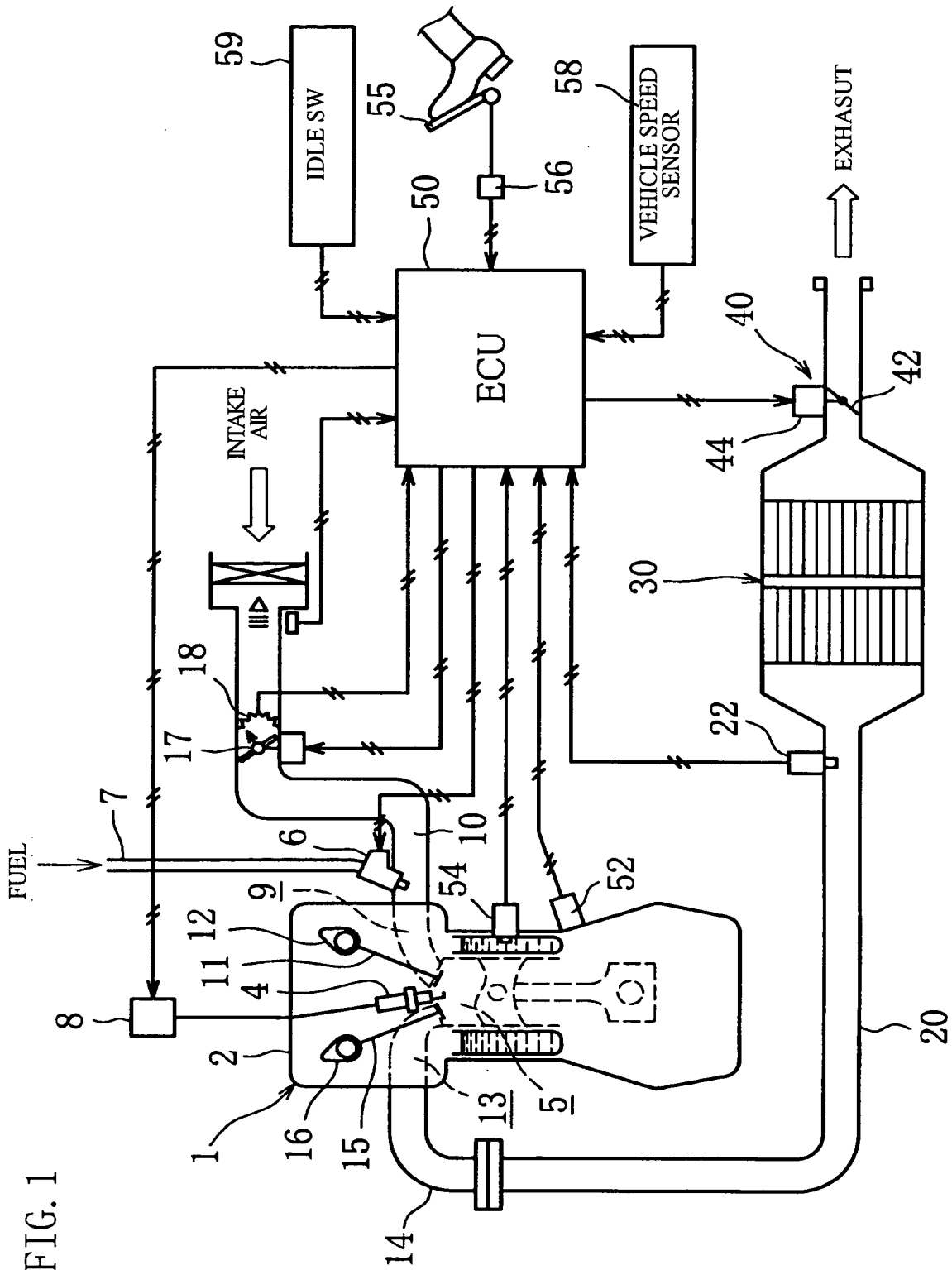


FIG. 2

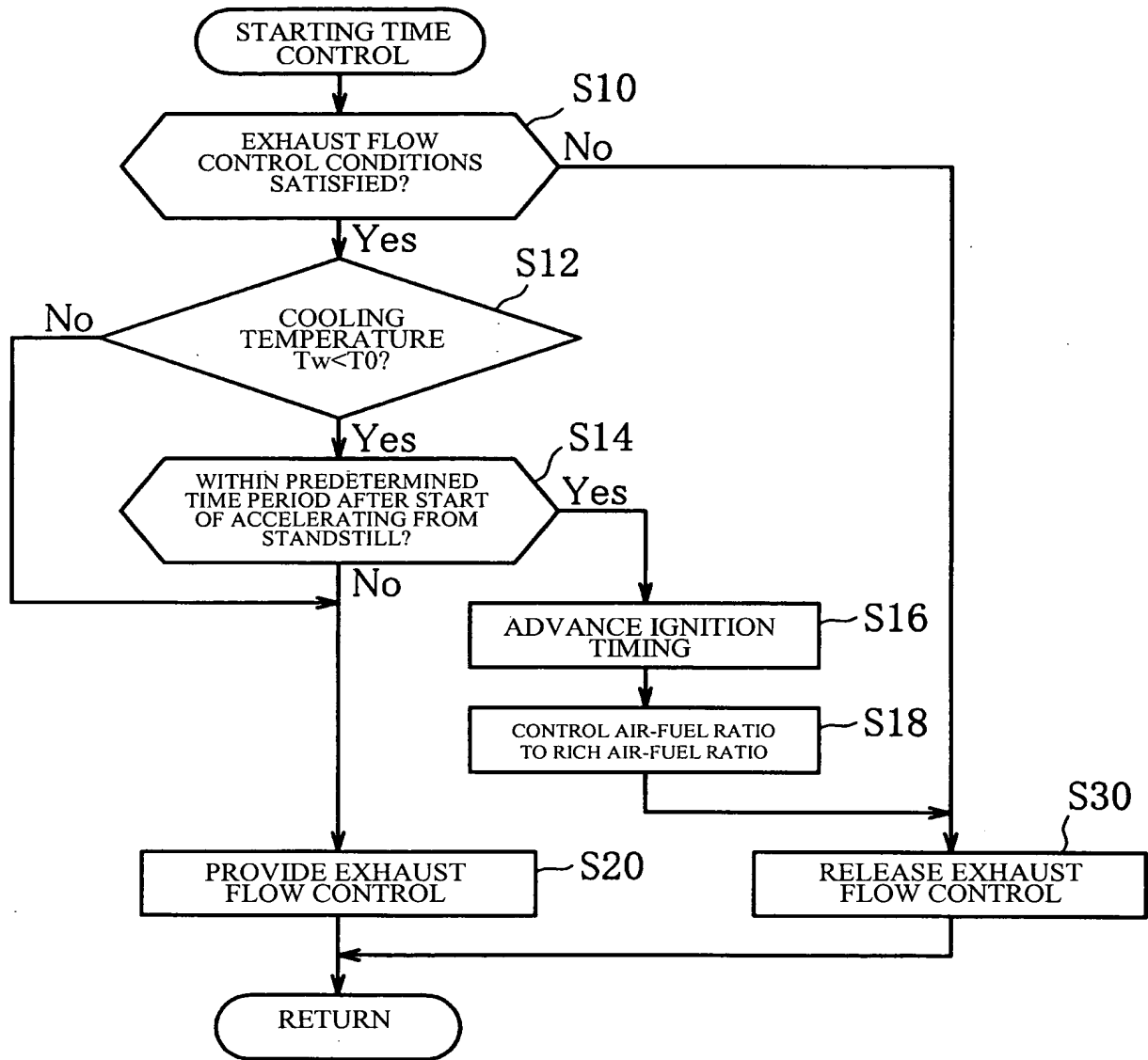


FIG. 3

